

PF04G49 *

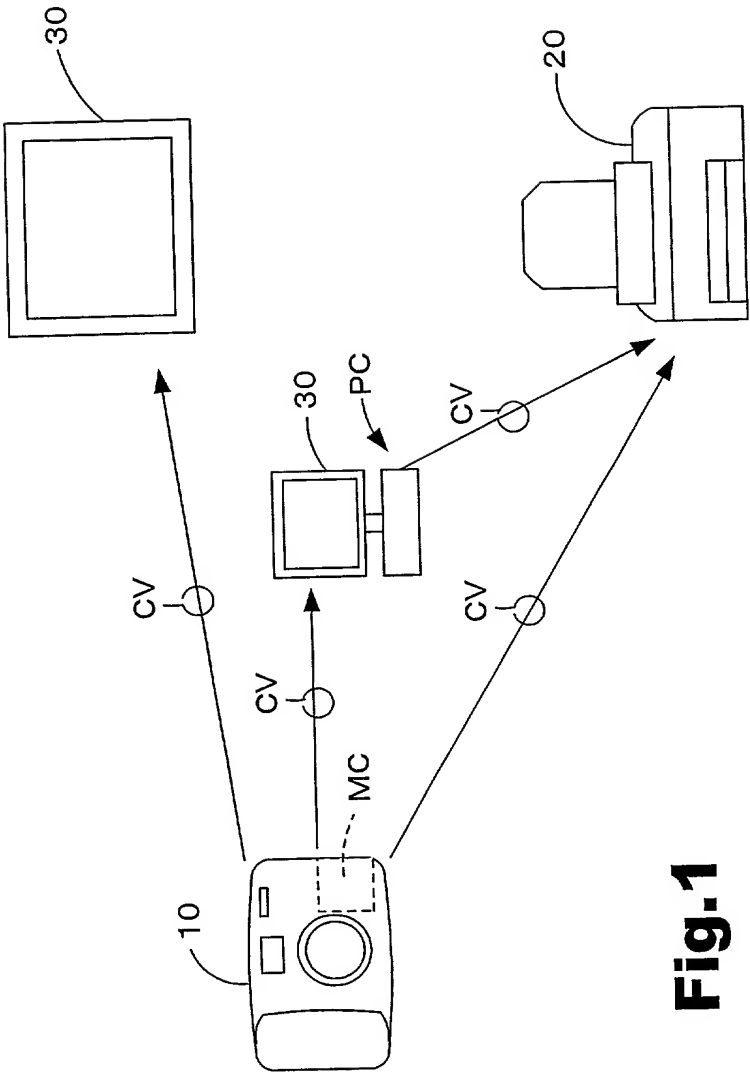


Fig.1

Fig.2

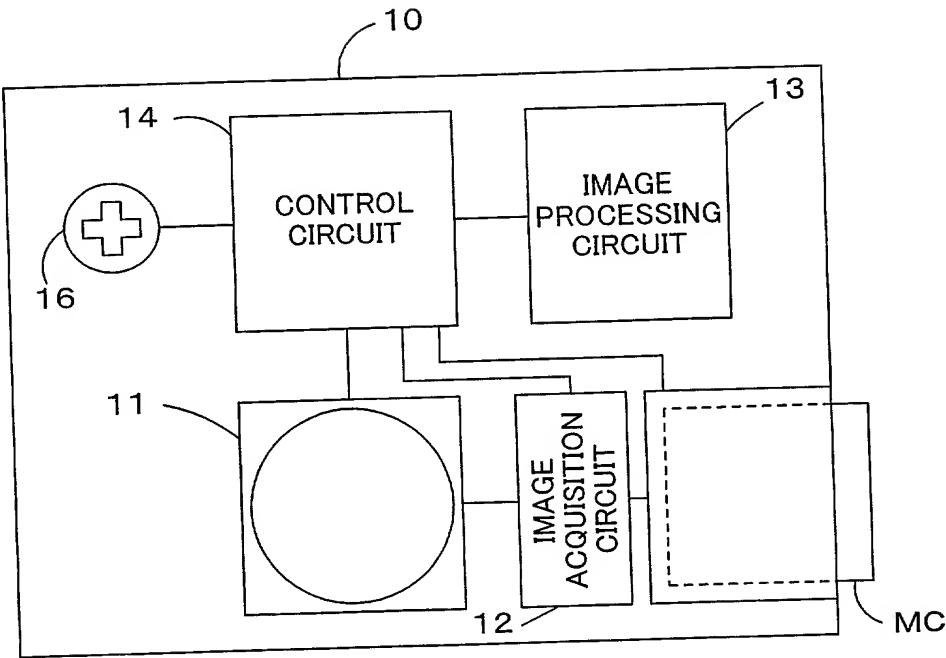


Fig.3

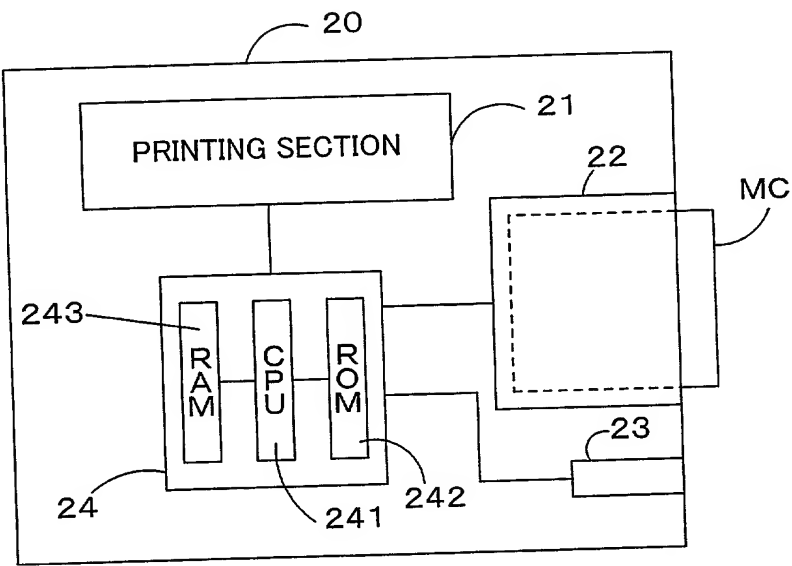


Fig.4

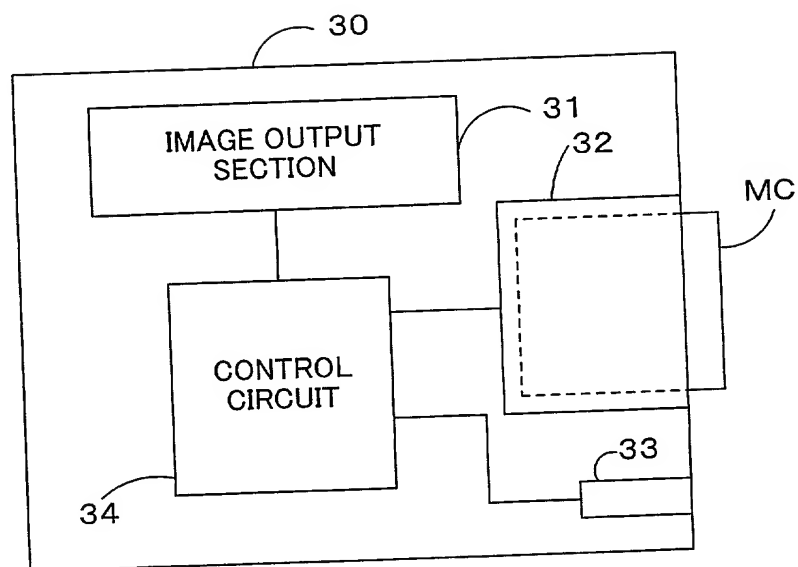


Fig.5

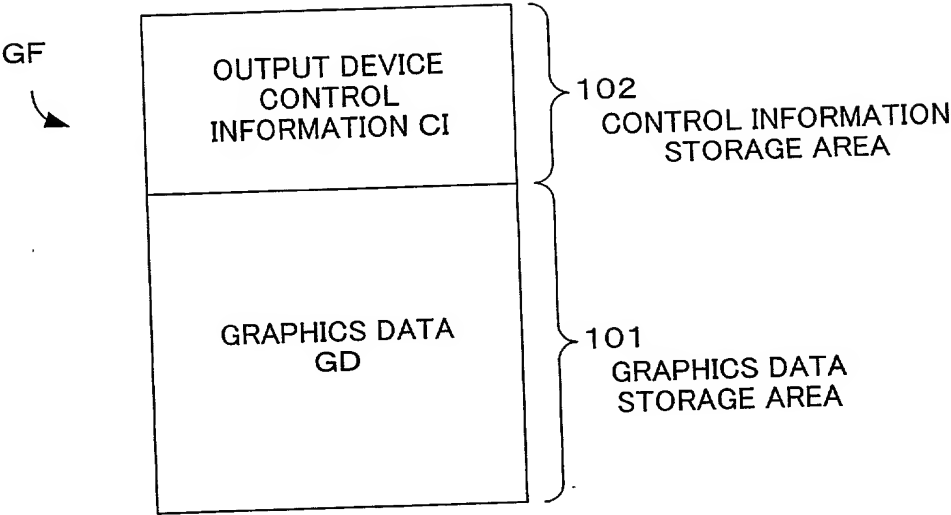


Fig.6

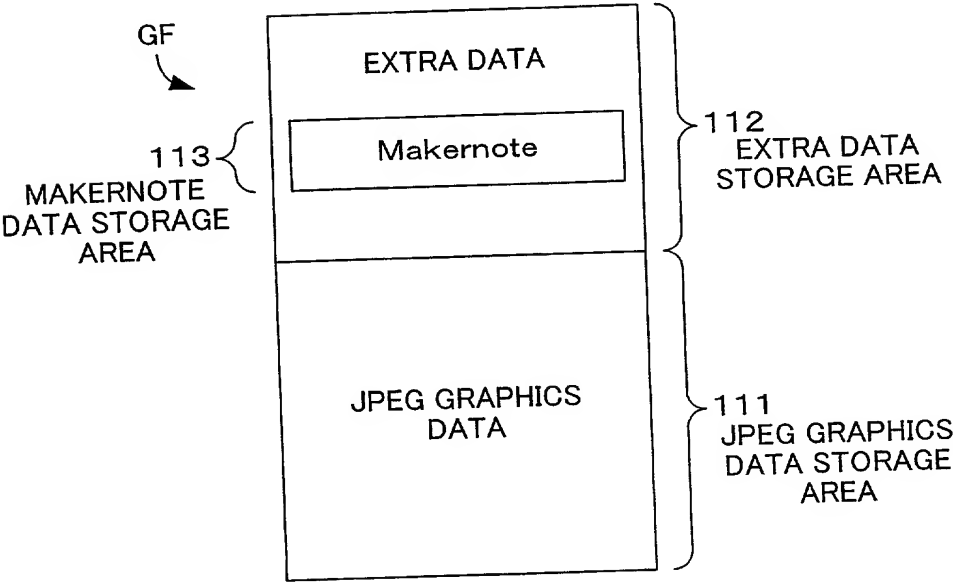


Fig.7

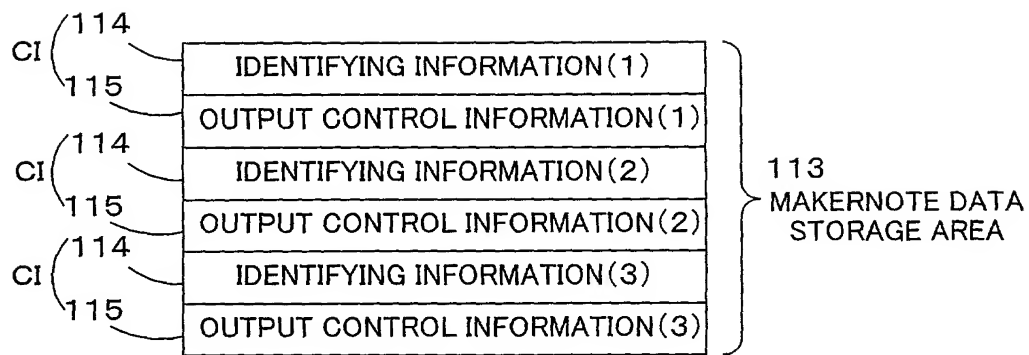


Fig.8

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| DESCRIPTION | SETTING |
|--|---------|
| CONTROL IDENTIFICATION HIERARCHY NUMBER N _c | 4 |
| CONTROL CATEGORY IDENTIFIER C-ID ₁ | 1 |
| CONTROL CATEGORY IDENTIFIER C-ID ₂ | 3 |
| CONTROL CATEGORY IDENTIFIER C-ID ₃ | 2 |
| CONTROL CATEGORY IDENTIFIER C-ID ₄ | 0 |

Fig.9

| DEVICE ID | D-ID ₁ | D-ID ₂ | D-ID ₃ | D-ID ₄ |
|---------------|-------------------|-----------------------|-------------------|-------------------|
| ID SETTING | 1:PRINTER | 1:ELECTROPHOTOGRAPHIC | 1:CO. A | 1:AAA |
| | | 2:SUBLIMATION | 2:CO. B | 2:BBB |
| | | 3:INK JET | 3:CO. C | 3:CCC |
| | 2:MONITOR | 1:CRT | 1:CO. A | 1:AAA |
| | | 2:TRANSMISSIVE LCD | 2:CO. B | 2:BBB |
| | | 3:REFLECTIVE LCD | 3:CO. C | 3:CCC |
| | 3:PROJECTOR | 1:LCD | 1:CO. A | 1:AAA |
| | | 2:DLP | 2:CO. B | 2:BBB |

Fig.10

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| CONTROL PARAMETER | SETTING |
|-------------------------------|---|
| GAMMA CORRECTION VALUE | 2. 2 |
| TARGET COLOR SPACE | NTSC |
| sRGB NEGATIVE VALUE TREATMENT | 1 (VALID) |
| SHADOW | 5 |
| HIGHLIGHT | 2 |
| CONTRAST | 0 |
| BRIGHTNESS | 4 |
| RGB COLOR BALANCE | R0/G-1/B2 |
| CHROMATICITY | 0 |
| SHARPNESS | THRESHOLD VALUE 2, APPLIED LEVEL 3 |
| STORED COLOR CORRECTION | GREEN 0,0,0 (UNASSIGNED) SAPCE 0,0,0 (UNASSIGNED) SKIN 0,0,0 (UNASSIGNED) RED 0,0,0 (UNASSIGNED) |
| AUTO ADJUST | 5 |
| PAPER | 3(PHOTOGRAPHIC PAPER) |
| RESOLUTION | 4(PHOTOGRAPH) |
| PRINTING DIRECTION | 1(ON) |

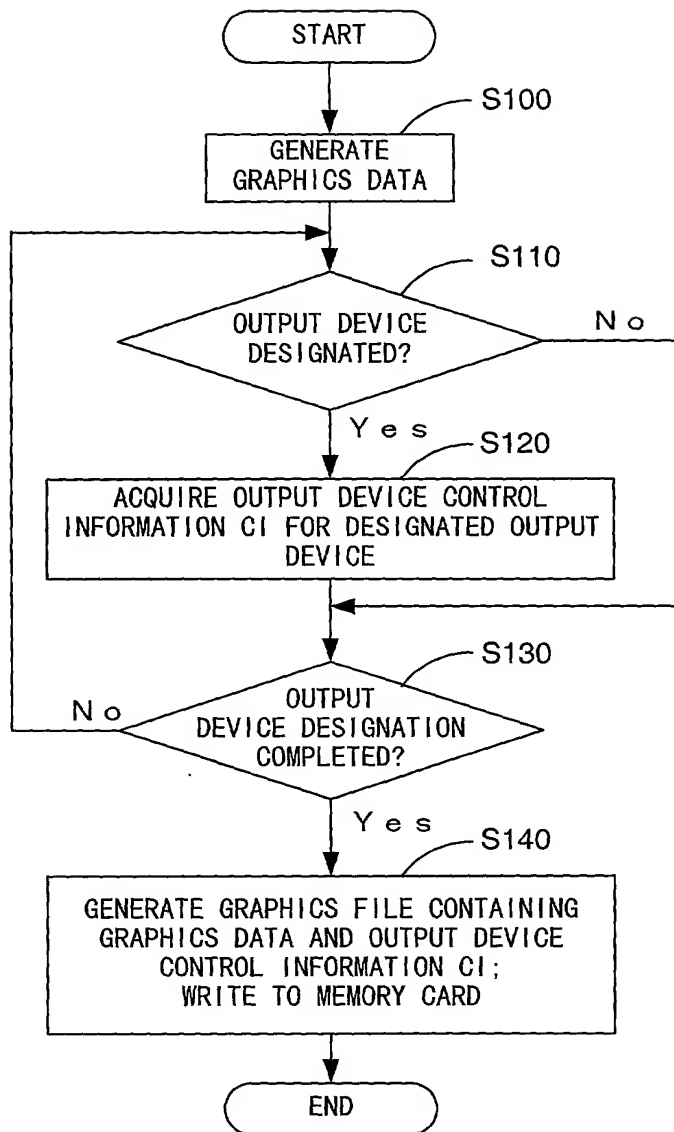
Fig.11

Fig.12

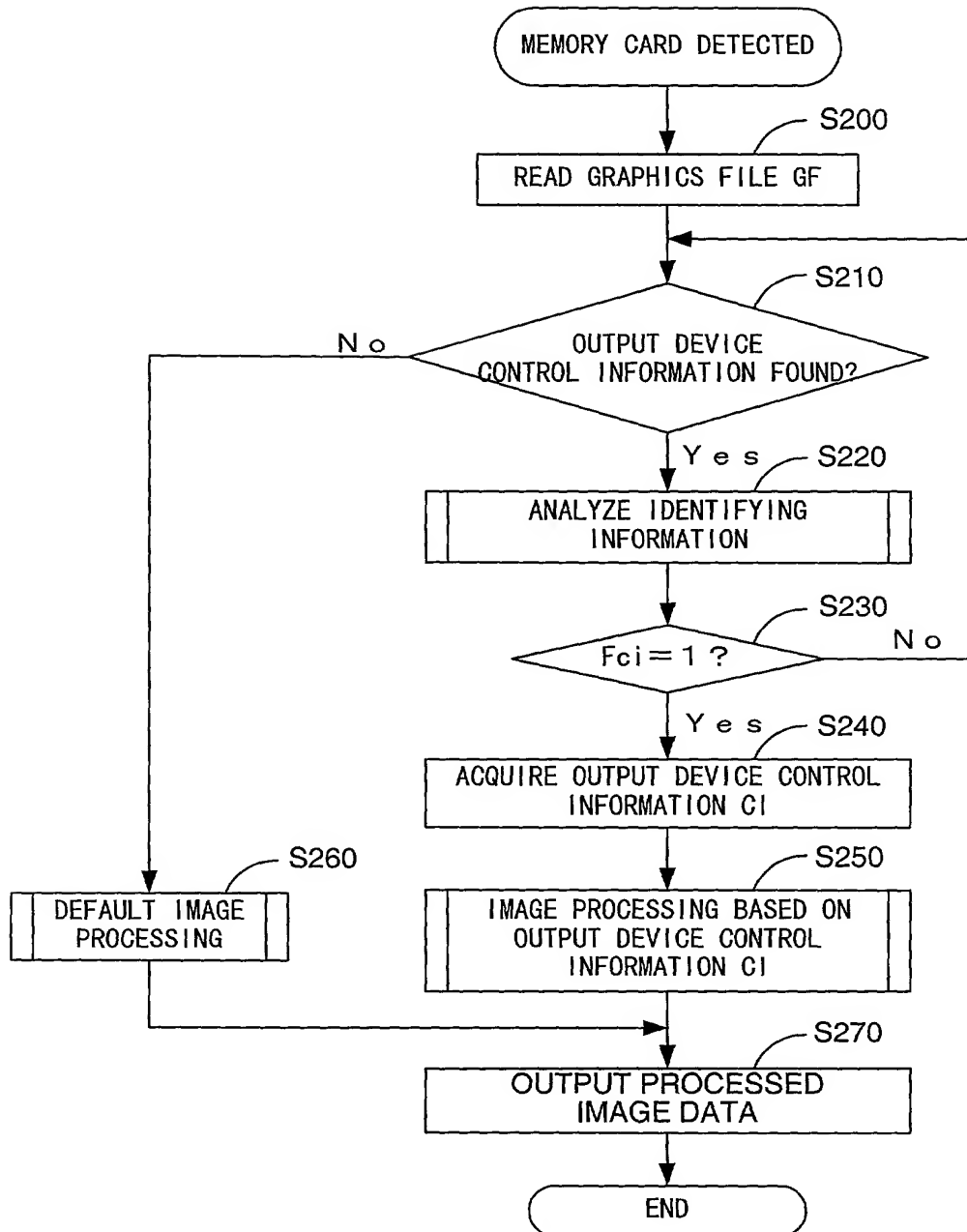


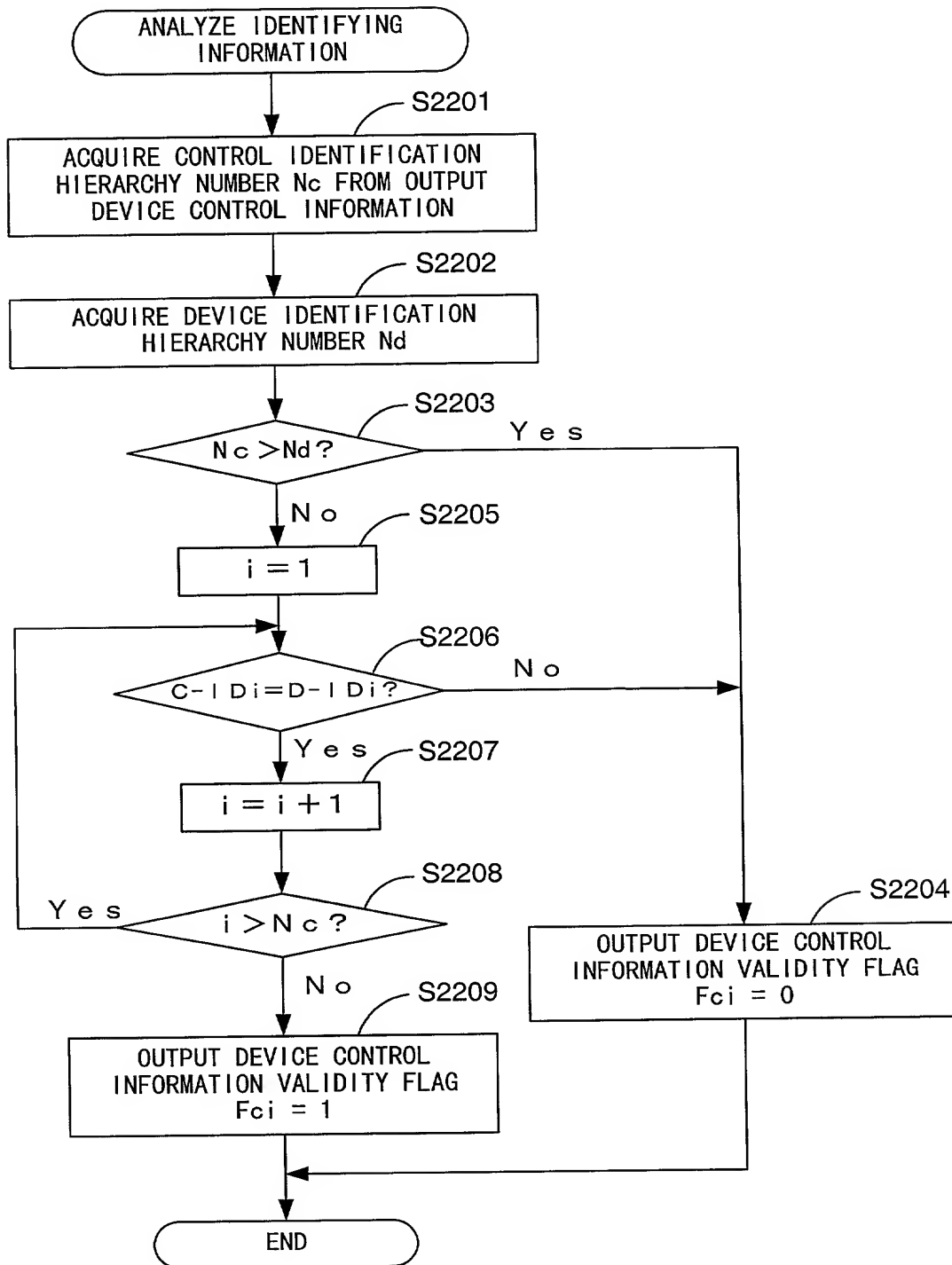
Fig.13

Fig.14

| DESCRIPTION | SETTING |
|--|---------|
| DEVICE IDENTIFICATION HIERARCHY NUMBER Nd | 4 |
| DEVICE CATEGORY IDENTIFIER D-ID ₁ | 1 |
| DEVICE CATEGORY IDENTIFIER D-ID ₂ | 3 |
| DEVICE CATEGORY IDENTIFIER D-ID ₃ | 2 |
| DEVICE CATEGORY IDENTIFIER D-ID ₄ | 0 |

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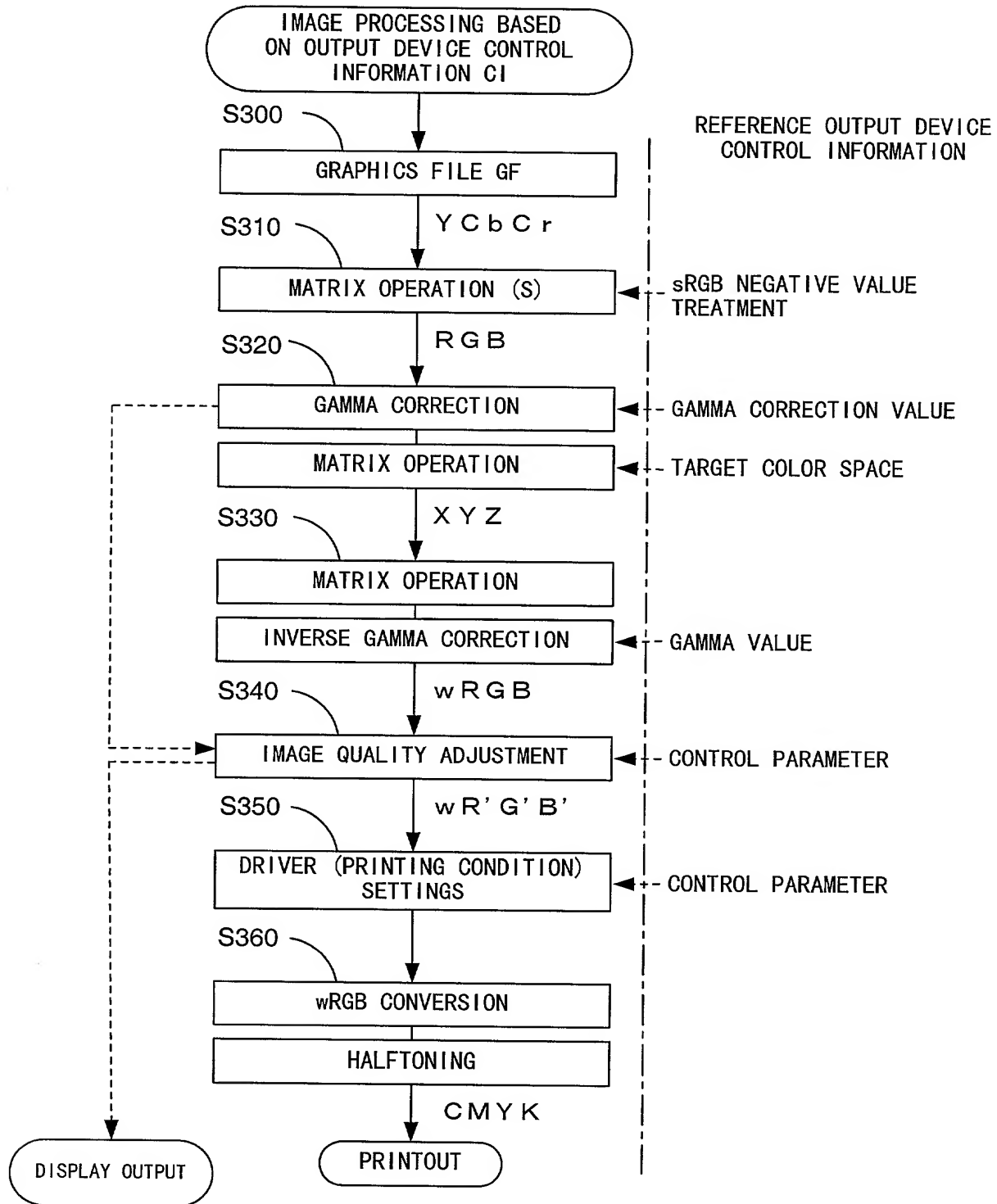
Fig.15

Fig.16

$$\begin{pmatrix} R \\ G \\ B \end{pmatrix} = \mathbf{S} \begin{pmatrix} Y \\ Cb-128 \\ Cr-128 \end{pmatrix}$$

$$\mathbf{S} = \begin{pmatrix} 1 & 0 & 1.40200 \\ 1 & -0.34414 & -0.71414 \\ 1 & 1.77200 & 0 \end{pmatrix}$$

Fig.17

$$\begin{pmatrix} X \\ Y \\ Z \end{pmatrix} = \mathbf{M} \begin{pmatrix} Rt' \\ Gt' \\ Bt' \end{pmatrix} \quad \mathbf{M} = \begin{pmatrix} 0.6067 & 0.1736 & 0.2001 \\ 0.2988 & 0.5868 & 0.1144 \\ 0 & 0.0661 & 1.1150 \end{pmatrix}$$

$$Rt, Gt, Bt \geq 0$$

$$Rt' = \left(\frac{Rt}{255} \right)^r$$

$$Gt' = \left(\frac{Gt}{255} \right)^r$$

$$Bt' = \left(\frac{Bt}{255} \right)^r$$

$$Rt, Gt, Bt < 0$$

$$Rt' = - \left(\frac{-Rt}{255} \right)^r$$

$$Gt' = - \left(\frac{-Gt}{255} \right)^r$$

$$Bt' = - \left(\frac{-Bt}{255} \right)^r$$

Fig.18

$$\begin{pmatrix} R_w \\ G_w \\ B_w \end{pmatrix} = \mathbf{N}^{-1} \begin{pmatrix} X \\ Y \\ Z \end{pmatrix}$$

$$\mathbf{N}^{-1} = \begin{pmatrix} 3.30572 & -1.77561 & 0.73649 \\ -1.04911 & 2.1694 & -1.4797 \\ 0.0658289 & -0.241078 & 1.24898 \end{pmatrix}$$

$$R_w' = \left(\frac{R_w}{255} \right)^{1/\gamma} \quad G_w' = \left(\frac{G_w}{255} \right)^{1/\gamma} \quad B_w' = \left(\frac{B_w}{255} \right)^{1/\gamma}$$